

**Table 1. Commercial sterilizers – sorted by EtO block level risk**

Facility Name	State	City	EPA Region	EtO V2 MIR @ block (in 1 million)	TOTAL V2 Max Tract Cancer Risk (in 1 million) (post-hybrid)	v2emis (ton)	Facility Type	Potential applicable NESHAP for risk-driving emissions	HAP Major/ Area Source
Edwards Lifesciences Corporation	Puerto Rico	Anasco	02	6,780	300	1	commercial steri	O	Area Source
B BRAUN MED INC/ALLENTOWN	Pennsylvania	ALLENTOWN	03	2,028	600	3	commercial steri	O	Major Source
Midwest Sterilization Corp-Jackson	Missouri	Jackson	07	2,004	200	3	commercial steri	O	Area Source
TERUMO BCT STERILIZATION SERVICE	Colorado	LAKEWOOD	08	832	500	1	commercial steri	O	Major Source
Sterigenics US LLC	Illinois	Willowbrook	05	753	300	3	commercial steri	O	Major Source
C R Bard	Georgia	Covington	04	694	200	3	commercial steri	O	Major Source
Kendall Healthcare Products	Georgia	Augusta	04	660		0.2	commercial steri	O	Area Source
Cook, Incorporated	Indiana	Ellettsville	05	505		0.3	commercial steri	O	Area Source
Baxter Healthcare Corporation	Arkansas	Mountain Home	06	332		0.5	commercial steri	O	Area Source
Medline Industries Inc Northpoint S	Illinois	Waukegan	05	310	300	2	commercial steri	O	Major Source
Medtronic, Inc., Sterile Systems Op	Michigan	GRAND RAPIDS	05	273	100	1	commercial steri	O	Area Source
INTERNATIONAL STERILIZATION LAB	Florida	GROVELAND	04	249		0.3	commercial steri	O	Area Source
Griffith Micro Science Inc	Georgia	Smyrna	04	221	200	2	commercial steri	O	Area Source
Midwest Sterilization Corp	Texas	Laredo	06	219	100	8	commercial steri	O	Area Source
Sterigenics U.S. LLC	North Carolina	Charlotte	04	155		0.4	commercial steri	O	Major Source
Santa Teresa Facility	New Mexico	Santa Teresa	06	135	200	3	commercial steri	O	Major Source
Covidien LP (formerly U S Surgical C	Connecticut	New Haven	01	133		0.1	commercial steri	O	Area Source
STERIGENICS US INC	California	LOS ANGELES	09	131		0.1	commercial steri	O	Area Source
Baxter Healthcare Corp	Illinois	Round Lake	05	99		0.3	commercial steri	O	Area Source

**Table 2. Hospital sterilizers – sorted by EtO block level risk**

				EtO V2 MIR @ block (in 1 million)	TOTAL V2 Max Tract Cancer Risk (in 1 million) (post-hybrid)	v2emis (ton)	Potential applicable NESHAP for risk-driving emissions			HAP Major/ Area Source
Facility Name	State	City	EPA Region				Facility Type			
NORTH COLORADO MEDICAL CENTER	Colorado	GREELEY	08	829		0.05	hospital sterilize	WWWWW		Area Source/
Frye Regional Medical Center	North Carolina	Hickory	04	661		0.07	hospital sterilize	WWWWW		Area Source/
COMMUNITY HOSPITAL	Colorado	GRAND JUNCTION	08	261		0.06	hospital sterilize	WWWWW		Area Source/
FirstHealth Moore Regional Hospital	North Carolina	Pinehurst	04	192		0.09	hospital sterilize	WWWWW		Area Source/
Veterans Affairs Medical Hospital	North Carolina	Durham	04	145		0.10	hospital sterilize	WWWWW		Area Source/
St Elizabeth Hospital	Illinois	Belleville	05	124		0.03	hospital sterilize	WWWWW		Area Source/
Christ Hospital & Medical Center	Illinois	Oak Lawn	05	111		0.09	hospital sterilize	WWWWW		Area Source/

**Table 3. HON or Polyether Polyols Plants – sorted by EtO block level risk**

Facility Name	State	City	EPA Region	EtO V2 MIR @ block (in 1 million)	TOTAL V2 Max Tract Cancer Risk (in 1 million) (post-hybrid)	v2emis (ton)	Facility Type	Potential applicable NESHAP for risk-driving emissions	HAP Major/ Area Source
Union Carbide Corp - St Charles Operations	Louisiana	Taft	06	1,680	2000	15	chemical plant	HON	Major
PORT NECHES PLANT	Texas	PORT NECHES	06	1,456	300	11	chemical plant	HON	Major
TEXAS OPERATIONS	Texas	LONGVIEW	06	1,355	200	7	chemical plant	HON	Major
UNION CARBIDE CORP -SO CHARLES	West Virg	SOUTH CHARLESTON	03	1,055		1	chemical plant	PPP	Major
Sasol Chemicals (USA) LLC - Lake Charles Chemical Complex	Louisiana	Westlake	06	841		6	chemical plant	HON	Major
UNION CARBIDE CORPORATION-INS	West Virg	INSTITUTE	03	839	400	3	chemical plant	PPP	Major
CONROE FACILITY	Texas	CONROE	06	734		3	chemical plant	PPP	Major
Shell Chemical LP - Geismar Plant	Louisiana	Geismar	06	587		5	chemical plant	HON	Major
SEADRIFT PLANT	Texas	SEADRIFT	06	393		5	chemical plant	HON	Major
CLEAR LAKE PLANT	Texas	PASADENA	06	305		6	chemical plant	HON	Major
BAYPORT UNDERWOOD PLANT	Texas	PASADENA	06	293		4	chemical plant	HON	Major
BASF Corp - Geismar Site	Louisiana	Geismar	06	267		7	chemical plant	HON/PPP	Major
CHANNELVIEW PLANT	Texas	CHANNELVIEW	06	173		1	chemical plant	HON	Major
BAYER MATERIALSCIENCE - SOUTH C	West Virg	SOUTH CHARLESTON	03	162		0.1	chemical plant	HON	Major
The Dow Chemical Co - Louisiana Operations	Louisiana	Plaquemine	06	124		2	chemical plant	HON	Major
Monument Chemical Kentucky LLC	Kentucky	Brandenburg	04	107		2	chemical plant	HON/PPP	Major

Table 4. Area source chemical plants – sorted by EtO block level risk

Facility Name	State	City	EPA Regio	EtO V2 MIR @ block (in 1 million)	TOTAL V2 Max Tract Cancer Risk (in 1 million) (post-hybrid)	v2emis (ton)	Facility Type	Potential applicable NESHAP for risk-driving emissions	HAP Major/ Area Source
BCP INGREDIENTS-VERONA PLANT	Missouri	VERONA	07	8,883		2	chemical plant	none	Area
BCP Ingredients Inc	Louisiana	St. Gabriel	06	2,539	2000	3	chemical plant	none	Area
AIR PRODUCTS PERFORMANCE MFG	Wisconsin	Milton	05	2,127		0.2	chemical plant	none	Area
Taminco US Inc	Louisiana	St. Gabriel	06	1,330	200	1	chemical plant	none	Area
Air Products Performance Manufacturing Inc - Reserve Plant	Louisiana	Reserve	06	831	100	2	chemical plant	none	Area
Stepan Co	Georgia	Winder	04	697		0.4	chemical plant	none	Area
HOUSTON PLANT	Texas	HOUSTON	06	588		0.3	chemical plant	none	Area
Pelron Corp	Illinois	Lyons	05	580		0.2	chemical plant	none	Area
PENFORD PRODUCTS CO	Iowa	CEDAR RAPIDS	07	382		0.3	chemical plant	none	Area
SHELL TECHNOLOGY CENTER HOUSTON	Texas	HOUSTON	06	291	300	0.5	chemical plant (F	none	Area
BASF Whitestone Plant	South Car	Whitestone	04	236		1	chemical plant	none	Area
CRODA INC.	Delaware	NEW CASTLE	03	153	100	1	chemical plant	none	Area
Ashland Specialty Ingredients	New Jersey	PARLIN	02	128		0.4	chemical plant	none	Area

**Table 5a. Facilities with combination of highest EtO emissions, NATA tract risk, and draft block level risk (sorted by emissions)**

Facility Name	State	City	EPA Regio	EtO V2 MIR @ block (in 1 million)	TOTAL V2 Max Tract Cancer Risk (in 1 million) (post-hybrid)	v2emis (ton)	Facility Type	Potential applicable NESHAP for risk-driving emissions	HAP Major/ Area Source
Union Carbide Corp - St Charles	Louisiana	Taft	06	1,680	2000*	15	chemical plant	HON	Major
PORT NECHES PLANT	Texas	PORT NECHES	06	1,456	300	11	chemical plant	HON	Major
TEXAS OPERATIONS	Texas	LONGVIEW	06	1,355	200	7	chemical plant	HON	Major
Midwest Sterilization Corp-Jackson	Missouri	Jackson	07	2,004	200	3	commercial steri	O	Area Source
B BRAUN MED INC/ALLENTOWN	Pennsylvania	ALLENTOWN	03	2,028	600	3	commercial steri	O	Major Source
UNION CARBIDE CORPORATION-INS	West Virg	INSTITUTE	03	839	400	3	chemical plant	PPP	Major
Sterigenics US LLC	Illinois	Willowbrook	05	753	300	3	commercial steri	O	Major Source
BCP Ingredients Inc	Louisiana	St. Gabriel	06	2,539	2000*	3	chemical plant	none	Area

\*These tract cancer risks are driven by emissions of chloroprene. EtO emissions contribute about 10-20% of the risk.

**Table 5b. Two additional facilities for consideration – sorted by EtO block level risk**

Facility Name	State	City	EPA Regio	EtO V2 MIR @ block (in 1 million)	TOTAL V2 Max Tract Cancer Risk (in 1 million) (post-hybrid)	v2emis (ton)	Facility Type	Potential applicable NESHAP for risk-driving emissions	HAP Major/ Area Source
BCP INGREDIENTS-VERONA PLANT	Missouri	VERONA	07	8,883		2	chemical plant	none	Area
SOLVAY USA INC	South Car	CHARLESTON	04	240	100	1	chemical plant	MON	Major